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Attorney Docket No. 106124

To the Director of the U.S. Patent and Trademark Office: Please record the attached original document or copy thereof.

<p>1. A. Name of conveying party(ies):</p> <p>Kazunori KAGAWA Tsuyoshi YANO Masayuki SUMIYOSHI Yoshiaki KOMINAMI Akihiro OTOMO Eiji NAKAMURA</p> <p>B. Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>		<p>2. A. Name and address of receiving party(ies):</p> <p>TOYOTA JIDOSHA KABUSHIKI KAISHA 1, TOYOTA-CHO, TOYOTA-SHI AICHI-KEN 471-8571 JAPAN</p> <p>B. Additional name(s) &amp; address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>3. A. Nature of conveyance:</p> <p><input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____</p> <p>B. Execution Date: <u>April 26, 2000</u></p>		<p>4. A. If this document is being filed together with a new application, the execution date of the application is: <u>April 26, 2000</u></p> <p>B. Patent Application No.(s) _____</p> <p>C. Patent No.(s) _____</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: <u>James A. Oliff</u></p> <p>Address: <u>OLIFF &amp; BERRIDGE, PLC</u> <u>P.O. Box 19928</u> <u>Alexandria, VA 22320</u></p>		<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. A. Total fee (37 CFR 3.41).....\$ <u>40.00</u></p> <p>B. Enclosed (Check No. <u>108211</u>)</p> <p>8. Credit any overpayment or charge any underpayment to deposit account number 15-0461.</p>	

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9. Statement and signature.  
*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

James A. Oliff, [Signature] Registration No. 27,075  
Joel S. Armstrong, [Signature] Registration No. 36,430

Date: May 2, 2000

Total number of pages including cover sheet, attachments, and document: 2

# ASSIGNMENT

ASSIGNMENT

(1-8) Insert Name(s) of Inventor(s)

(1) Kazunori KAGAWA (5) Akihiro OTOMO  
 (2) Tsuyoshi YANO (6) Eiji NAKAMURA  
 (3) Masayuki SUMIYOSHI (7) \_\_\_\_\_ and  
 (4) Yoshiaki KOMINAMI (8) \_\_\_\_\_

In consideration of the sum of one dollar (\$1.00) and other good and valuable considerations paid to each of the undersigned, the undersigned agree(s) to assign, and hereby does assign, transfer and set over to

(9) Insert name of Assignee (9) TOYOTA JIDOSHA KABUSHIKI KAISHA  
1, Toyota-cho, Toyota-shi, Aichi-ken,  
 (10) Insert address of Assignee (10) of 471-8571 Japan

(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention, and all applications for patent and any Letters Patent which may be granted therefor, known as

(11) Insert Identification of Invention, such as Title, Case Number or Foreign Application Number (11) APPARATUS FOR DIAGNOSING ELECTRIC POWER SOURCE WHILE POWER IS SUPPLIED TO LOAD DEVICE FROM THE POWER SOURCE (Case No. 11-143416 & No. 11-237118 for which the undersigned has (have) executed an application for patent in the United States of America

(12) Insert Date of Signing of Application (12) on April 26, 2000

(13) Alternative identification for filed applications (13) U.S. application Serial Number \_\_\_\_\_ filed May 2, 2000

1) The undersigned agree(s) to execute all papers necessary in connection with the application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation or division thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed and will not execute, any agreement in conflict herewith.

6) The undersigned hereby grant(s) the firm of OLIFF & BERRIDGE the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date APR/26/2000 Name of Inventor Kazunori Kagawa (SEAL)  
 Date APR/26/2000 Name of Inventor Tsuyoshi Yano (SEAL)  
 Date APR/26/2000 Name of Inventor Masayuki Sumiyoshi (SEAL)  
 Date APR/26/2000 Name of Inventor Yoshiaki Kominami (SEAL)  
 Date APR/26/2000 Name of Inventor Akihiro Otomo (SEAL)  
 Date APR/26/2000 Name of Inventor Eiji Nakamura (SEAL)  
 Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)  
 Date \_\_\_\_\_ Name of Inventor \_\_\_\_\_ (SEAL)

This assignment should preferably be signed before: (a) a Notary Public if within the U.S.A. (b) a U.S. Consul if outside the U.S.A. If neither, then it should be signed before at least two witnesses who also sign here:

Date APR/26/2000 Witness Ikemasa Sakai  
 Date APR/26/2000 Witness Tetsuyoshi Fukaya